

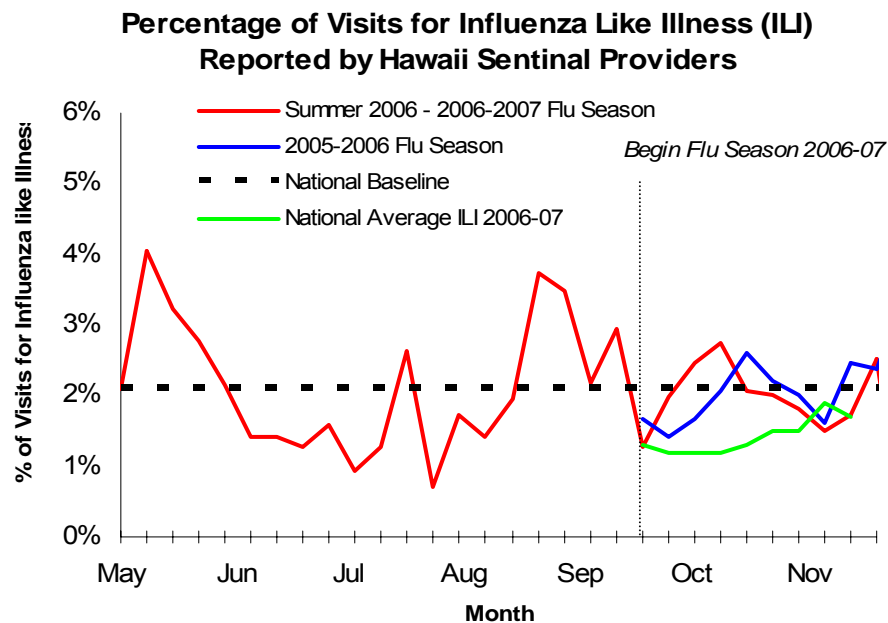
# HAWAII STATE DEPARTMENT OF HEALTH DISEASE OUTBREAK CONTROL DIVISION

## Influenza Surveillance Report

December 3 – December 9, 2006: MMWR<sup>1</sup> Week 49

### I. Surveillance of Influenza Like Illness (ILI):

During week 49 of the 2006-07 influenza season, 2.5% of patient visits to Hawaii's Sentinel Providers were due to Influenza Like Illness (ILI). Percent ILI during the current flu season is approximately the same as that reported during the same time last year (2.4%).



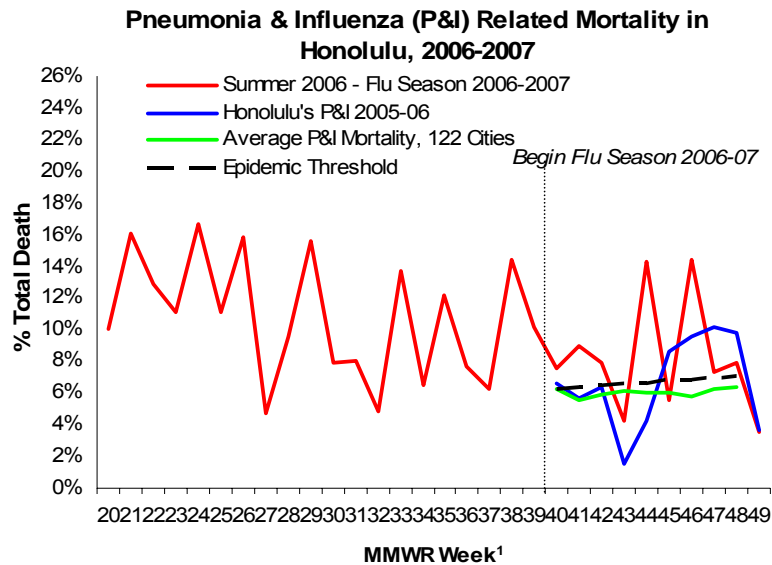
### II. Pneumonia and Influenza (P&I) Related Mortality<sup>2</sup>:

During week 49, 3.6% of all deaths in Honolulu, Hawaii were due to pneumonia or influenza. Honolulu's P&I (9.8%) for week 48 was higher than the reported national average (6.34%) and the epidemic threshold (7.08%). The current P&I mortality (3.6%) is approximately the same as the P&I mortality reported at the same time last year (3.7%).

#### *Influenza Associated Pediatric Mortality<sup>2</sup>:*

There have been no influenza-associated pediatric mortalities in Hawaii during the current flu season. Nationally, no P&I related pediatric mortality has been reported during the 2006-07 flu season.

<sup>1</sup> MMWR stands for 'Morbidity and Mortality Weekly Report,' conventionally used by the Centers for Disease Control (CDC). The weeks of a flu season are often referred to by their respective MMWR week. See appendix 1 for interpretation of MMWR weeks.



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<sup>2</sup> This data was reported by the Hawaii State Department of Health Vital Statistics Office.

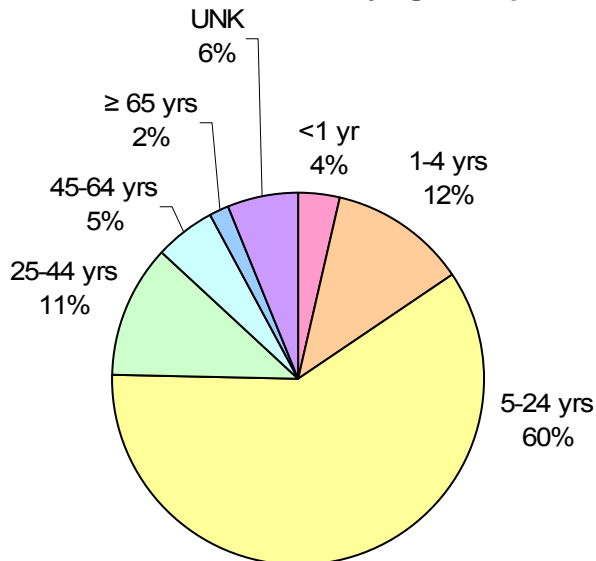
### III. Laboratory Surveillance

A total of **1053** (average 55 specimens/week) specimens were tested by the Hawaii State Laboratories Division (SLD) during summer 2006 (MMWR week 20 – week 39, 2006). Since the beginning of Flu Season 2006-07, SLD has tested **568** specimens.

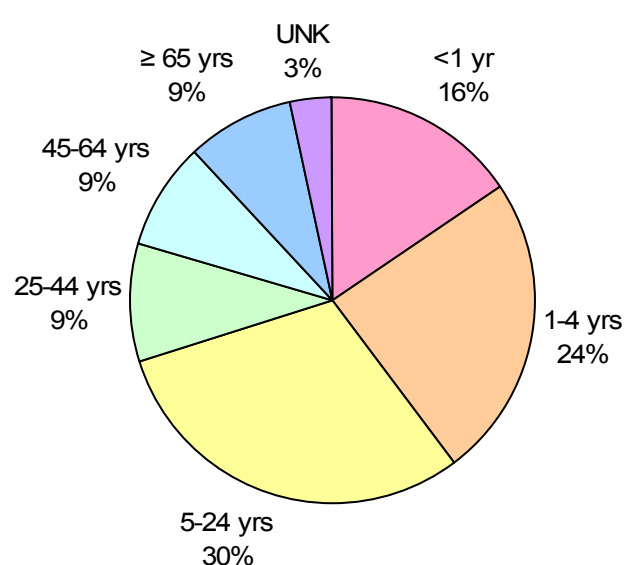
#### Positive Isolates:

The pie charts below indicate the distribution of specimens tested and positive influenza cases in Hawaii by age group during summer 2006 and Flu Season 2006-07.

**Summer 2006/ Flu Season 2006-07:  
Positive Influenza Cases by Age Group**

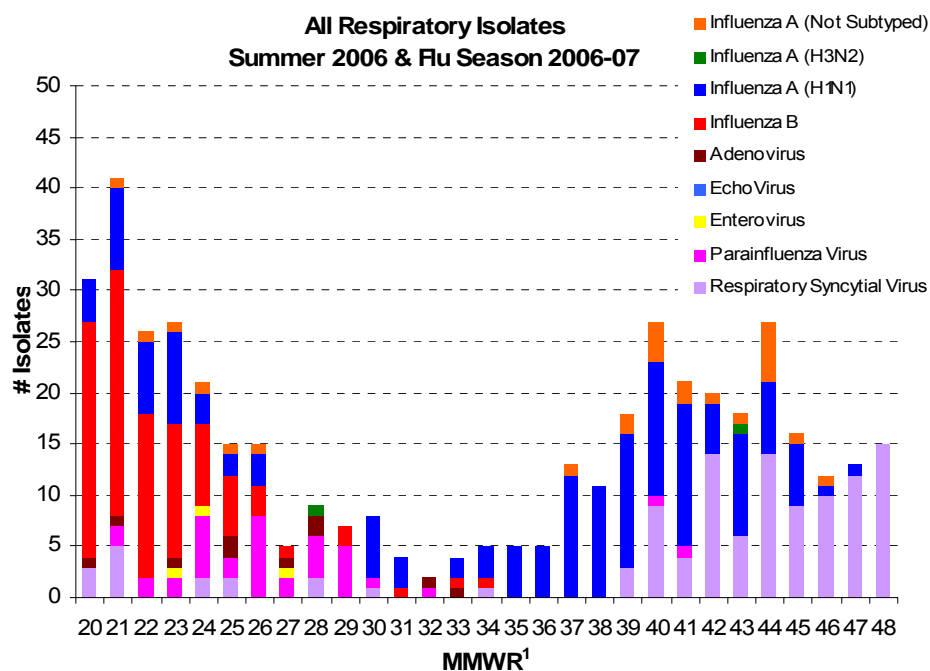
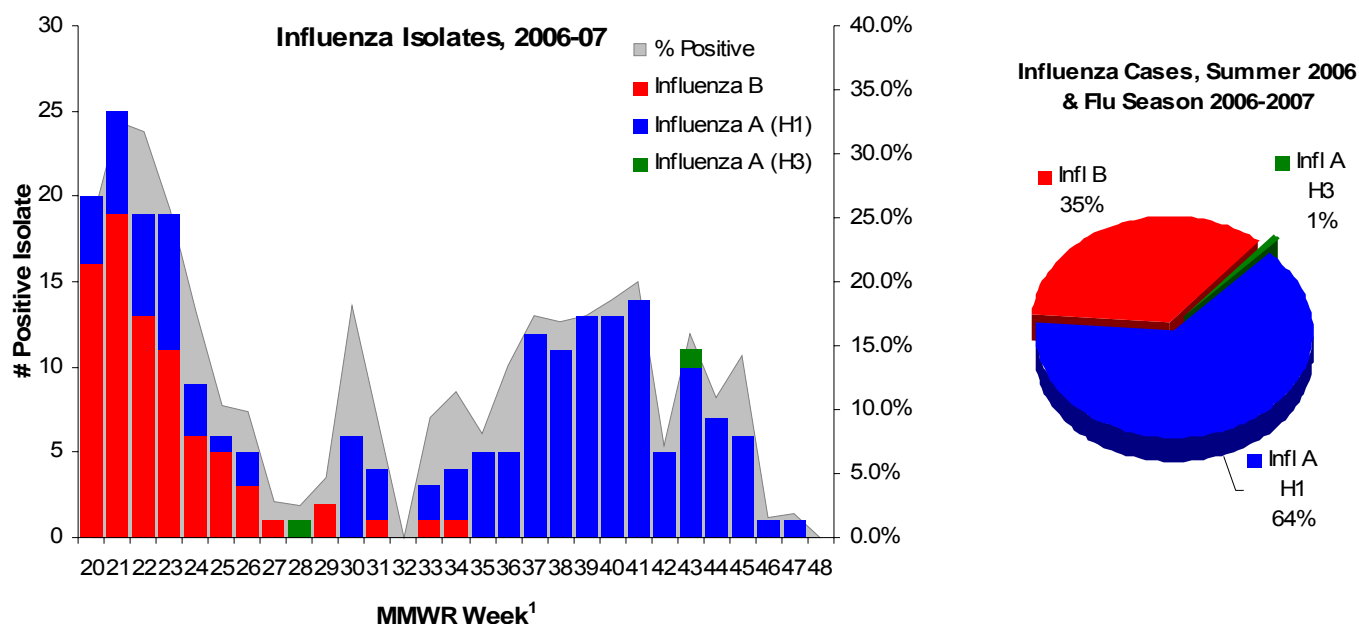


**Summer 2006/ Flu Season 2006-07:  
Specimens Tested by Age Group**



Based on this data, school children and young adults (age group 5-24) were most likely to test positive when influenza was suspected (60% of positive influenza cases versus 30% of specimens tested), whereas infants (<1 year of age) and young children (1-4 years) were least likely to be positive for influenza and likely to have other etiologies for their respiratory illness.

Of the 568 specimens tested since the beginning of the 2006-07 flu season, 57 (10%) influenza isolates have been detected by SLD. A total of 228 (14.1%) of 1621 specimens tested since Summer 2006 were positive for influenza. Of these, 2 (0.9%) were influenza A (H3N2), and 147 (64.5%) were influenza A (H1N1). There were 79 (34.7%) influenza B cases. Select isolates were sent to the CDC for sub-typing confirmation.



Data courtesy of State Laboratories Division and Tripler Army Medical Center, Honolulu, Hawaii

#### IV. Clustered ILI Activity

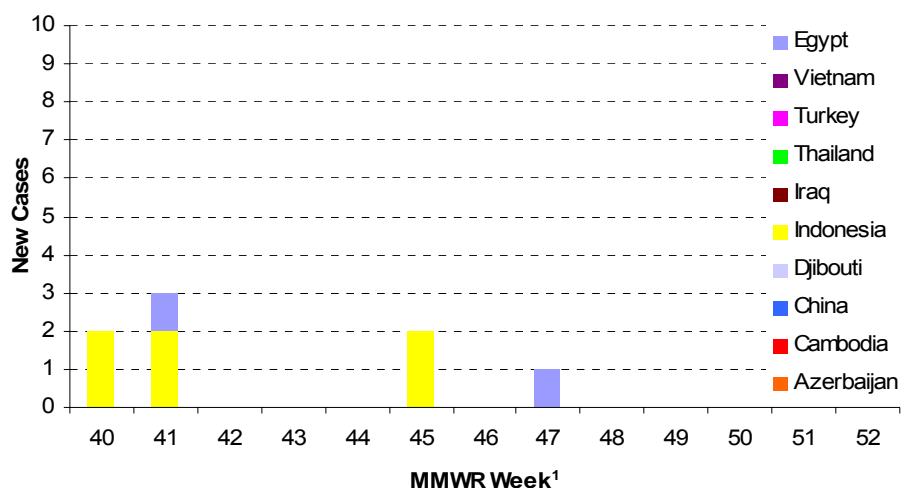
No clustered ILI activity has been reported to the Department of Health during Summer 2006, or Flu Season 2006-07.

#### V. Avian Influenza

**29 November 2006**

Country	2003		2004		2005		2006		Total	
	cases	deaths	cases	deaths	cases	deaths	cases	deaths	cases	deaths
Azerbaijan	0	0	0	0	0	0	8	5	8	5
Cambodia	0	0	0	0	4	4	2	2	6	6
China	1	1	0	0	8	5	12	8	21	14
Djibouti	0	0	0	0	0	0	1	0	1	0
Egypt	0	0	0	0	0	0	15	7	15	7
Indonesia	0	0	0	0	19	12	55	45	74	57
Iraq	0	0	0	0	0	0	3	2	3	2
Thailand	0	0	17	12	5	2	3	3	25	17
Turkey	0	0	0	0	0	0	12	4	12	4
Viet Nam	3	3	29	20	61	19	0	0	93	42
Total	4	4	46	32	97	42	111	76	258	154

**New HPAI H5N1 Cases, Flu Season 2006-07**



Total number of cases includes number of deaths; WHO reports only laboratory-confirmed cases.

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**Appendix 1: MMWR Week**

Please refer to the table below to interpret data presented by MMWR week.

<b>MMWR</b>	<b>Week Ending</b>	<b>MMWR</b>	<b>Week Ending</b>
40	10/7/2006	14	4/7/2007
41	10/14/2006	15	4/14/2007
42	10/21/2006	16	4/21/2007
43	10/28/2006	17	4/28/2007
44	11/4/2006	18	5/5/2007
45	11/11/2006	19	5/12/2007
46	11/18/2006	20	5/19/2007
47	11/25/2006	21	5/26/2007
48	12/2/2006	22	6/2/2007
49	12/9/2006	23	6/9/2007
50	12/16/2006	24	6/16/2007
51	12/23/2006	25	6/23/2007
52	12/30/2006	26	6/30/2007
1	1/6/2007	27	7/7/2007
2	1/13/2007	28	7/14/2007
3	1/20/2007	29	7/21/2007
4	1/27/2007	30	7/28/2007
5	2/3/2007	31	8/4/2007
6	2/10/2007	32	8/11/2007
7	2/17/2007	33	8/18/2007
8	2/24/2007	34	8/25/2007
9	3/3/2007	35	9/1/2007
10	3/10/2007	36	9/8/2007
11	3/17/2007	37	9/15/2007
12	3/24/2007	38	9/22/2007
13	3/31/2007	39	9/29/2007